

CLAIMS

1. A method for the visualization of digital display elements (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) on a plurality of display devices (1), wherein the visualization of display elements (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) on a first display device (1) and the visualization of display elements (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) on at least one additional display device (1) takes place in at least one of a chronologically coordinated manner and a spatially coordinated manner, with the coordination of the display elements (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) concerning the chronologically and/or spatially coordinated visualization of the display elements (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) and with the display elements (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) being connected to one another, characterized in that:

providing a plurality of display computer devices (4), and a control computer device (3) connected to said display computer devices (4) wherein each display computer device (4) is associated with a minimum of one display device (1);

transmitting a minimum of one display element (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) in a file format and/or a minimum of one reference to a file containing the display elements (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) and a minimum of one control information (t_a , t_b , t_c , t_d) to the control computer device (3) in a sequence plan (2);

said control information (t_a , t_b , t_c , t_d) specifying the point in time and/or the location of the display of the display elements (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) on a display device (1);

said control computer device (3) analyzing said sequence plan (2) and generating a minimum of one control command (x_a , x_b , x_c , x_d) from the control information (t_a , t_b , t_c , t_d);

said control computer device (3) transmitting the display element (1) and/or the reference and the control command (x_a , x_b , x_c , x_d) to the display computer device (4);

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transforming the display elements (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) from the file containing the display element (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}), which display elements are available in digital form, as a result of the control (x_a , x_b , x_c , x_d) by the display computer device (4) into signals (5) in a graphic card and/or acoustic card format in order to, respectively, display or output the display element (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) on or to the display device (1) and to transmit it to the associated display device (1);

said control command (x_a , x_b , x_c , x_d) specifying the point in time at which the display computer device (4) transmits a signal (5) and the display device to which the signal (5) is to be transmitted; and

said display computer device (4) serving exclusively to generate image and/or sound signals from the digital display elements.

2. The method of Claim 1, characterized in that said sequence plan is a play list (2) and in that a plurality of display elements (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) and/or references and control information (t_a , t_b , t_c , t_d) are compiled in said play list (2) and that said play list (2) or separate display elements (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) and/or references and control information (t_a , t_b , t_c , t_d) are transmitted to the control computer device (3).

3. The method of Claim 2, characterized in that said play list (2) is analyzed by the control computer device (3), with control commands (x_a , x_b , x_c , x_d) being generated for the display of the display elements (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) and/or references thereto compiled in said play list (2).

4. The method of Claim 1, characterized in that the display computer device (4) and the control computer device (3) are integrated into a network.

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5. The method of Claim 1, characterized in that the same display elements (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) are stored on a minimum of two display computer devices (4) or that the same display elements (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) are transmitted to a minimum of two display computer devices (4).

6. The method of Claim 1, characterized in that the control command (x_a , x_b , x_c , x_d) is transmitted close to the time of the desired display of the display element (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) to the display computer device (4).

7. The method of Claim 1, characterized in that a first control command causes a file containing a display element (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) to be loaded on the display computer device (4) and/or that a second control command causes the signal (5) to be transmitted by the display computer device (4) to the display device (1) and/or causes the display element (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) to be displayed on the display device (1).

8. The method of Claim 7, characterized in that said first control command and said second control command are transmitted so as to be staggered by a period of time, with said second control command causing the signal (5) to be transmitted and/or the display element (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) to be displayed on the display device (1) after a predetermined period of time has elapsed after the transmission of the second control command.

9. The method of claim 7, characterized in that said first control command and said second control command are transmitted simultaneously, with said second control command causing the signal (5) to be transmitted and/or the display element (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) to be displayed on the display device (1) after a predetermined period of time has elapsed after the transmission of the second control command.

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10. The method of Claim 7, characterized in that a plurality of display computer devices (4) are synchronized to a reference point in time and that the second control command causes the signal (5) to be transmitted at a predetermined time.

11. The method of Claim 1, characterized in that the period of time between the beginning of the transmission of the control command and/or the end of the procedure of loading the display element and/or the transmission of the signal (5) and/or the display of the display element (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) on the display device (1) is automatically determined.

12. The method of Claim 1, characterized in that during the generation of a signal (5) and/or during the display of the display element (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) on the relevant display device (1), a control signal is transmitted to the control computer device (3).

13. The method of Claim 11, characterized in that the point in time at which the display element (a_{1-n} , b_{1-n} , c_{1-n} , d_{1-n}) is displayed on the relevant display device (1) is controlled by the control computer device (3) as a function of the period of time determined and/or as a function of the control signal.

14. A system for carrying out the method according to Claim 1, characterized in that a plurality of display computer devices (4), and a control computer device (3) that is connected to the display computer devices (4) are provided and that each display computer device (4) is associated with a minimum of one display device (1).